**EMERALD ROYAL INTERNATIONAL SCHOOL, MPAPE ABUJA**

**LESSON PLAN AND NOTE 1 FOR WEEK 9 ENDING FRIDAY, 21ST JUNE, 2024**

**TERM:** THIRD TERM

**WEEK:** WEEK 8 AND 9

**SUBJECT:** MATHEMATICS

**TOPIC:** 3 DIMENSIONAL SHAPES

**SUB-TOPIC:** DEFINITION AND EXAMPLES OF 3 DIMENSIONAL SHAPES

**DATE:** MONDAY, 17TH ANDTUESDAY, 18TH JUNE, 2024

**TIME:** 08:10 – 08:45AM AND 09:25 – 09:55AM

**DURATION:** 40 MINUTES

**PERIOD:** 1ST AND 3RD

**CLASS:** GRADE 1

**NUMBER IN CLASS:** FIVE

**AVERAGE AGE:** FIVE

**SEX:** MIXED

**LEARNING OBJECTIVES:** By the end of the lesson, the pupils should be able to

1. Define 3 dimensional shapes
2. State examples of 3 dimensional shapes
3. Identify three dimensional shapes

**RATIONALE:** for pupils to know and learn 3 dimensional shapes.

**PREVIOUS KNOWLEGDE:** pupils learnt about 2 dimensional shapes.

**INSTRUCTIONAL MATERIALS:**

1. Real samples of 3 dimensional shapes
2. Pictures of 3 dimensional shapes

**REFERENCE MATERIALS:**

1. New general mathematics for primary schools Book 2 by J Aderohunmu, A Arigbabu etal 2014
2. Smart Mathematics primary Pupils Book 2 Cambridge University Press Contributors Are D.A Afariogun, F.C Ona
3. Lantern steps to Quantitative reasoning book 2 by Ore Olunloyo

**LESSON DEVELOPMENT**

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| **STAGES/STEPS** | **TEACHER’S ACTIVITIES** | **PUPILS’ ACTIVITIES** | **LEARNING POINTS** |
| **INTRODUCTION** | Display the shapes on a flat surface | Identify the different shapes | Arousing the pupils interest |
| **PRESENTATION**  **STEP 1** | Teaches pupils the definition of 3 dimensional shapes  3 dimensional shapes is a figure with three dimensions: length, width and height. All three dimensional shapes are solids.  3-D is short form for 3-dimensional. | Learn attentively | For proper understanding |
| **STEP 2** | Teach pupils the examples of 3 dimensional shapes.  Examples of 3 dimensional shapes are   1. Cube 2. Cuboid 3. Sphere 4. Cylinder 5. Pyramid 6. Cone 7. Triangular prism 8. Rectangular prism   Etc. | Learn carefully | For better understanding |
| **STEP 3** | Lead pupils to identify 3 dimensional shapes   1. Cube   hii   1. Cuboid   cuboid   1. Sphere   sphere   1. Cylinder   cylinder   1. pyramid fPyramid 2. Cone   cone   1. Triangular prism   triangular prism   1. Rectangular prism   rectangular prism | Learn and listen carefully | For further understanding |
| **SUMMARY** | Summarises the lesson by emphasising on the main concept and writes note on the board | Listen and copy their notes | For onward study |
| **EVALUATION** | Asks pupils to   1. Define 3 dimensional shapes 2. State examples of 3 dimensional shapes 3. Identify three dimensional shapes | Respond to the teachers questions | To test the understanding of the lesson |
| **CONCLUSION** | Summarises, reacts and corrects the pupils | Answer to the teachers questions | To consolidate the lesson |
| **HOME WORK** | 1. What is 3 dimensional shapes? 2. State 4 examples of 3 dimensional shapes | Returns home with task | Extending the lesson home |

**LESSON PLAN AND NOTE 2 FOR WEEK 9 ENDING FRIDAY, 21ST JUNE, 2024**

**TERM:** THIRD TERM

**WEEK:** WEEK 8 AND 9

**SUBJECT:** MATHEMATICS

**TOPIC:** 3 DIMENSIONAL SHAPES

**SUB-TOPIC:** PROPERTIES OF A CUBE

**DATE:** WEDNESDAY, 19TH ANDTHURSDAY, 20TH JUNE, 2024

**TIME:** 10:30 – 11:10AM

**DURATION:** 40 MINUTES

**PERIOD:** 6TH

**CLASS:** GRADE 1

**NUMBER IN CLASS:** FIVE

**AVERAGE AGE:** FIVE

**SEX:** MIXED

**LEARNING OBJECTIVES:** By the end of the lesson, the pupils should be able to

1. Identify a cube and objects with shape of cube
2. Draw a cube
3. State the properties of a cube

**RATIONALE:** for pupils to know the properties of a cube.

**PREVIOUS KNOWLEGDE:** pupils learnt about definition and examples of 3 dimensional shapes.

**INSTRUCTIONAL MATERIALS:**

1. Real samples of cube
2. Pictorial charts of a cube
3. Pictures of objects with the shape of a cube

**REFERENCE MATERIALS:**

1. New general mathematics for primary schools Book 2 by J Aderohunmu, A Arigbabu etal 2014
2. Smart Mathematics primary Pupils Book 2 Cambridge University Press Contributors Are D.A Afariogun, F.C Ona
3. Lantern steps to Quantitative reasoning book 2 by Ore Olunloyo

**LESSON DEVELOPMENT**

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| **STAGES/STEPS** | **TEACHER’S ACTIVITIES** | **PUPILS’ ACTIVITIES** | **LEARNING POINTS** |
| **INTRODUCTION** | Review previous knowledge | Respond t the teacher | Arousing the pupils interest |
| **PRESENTATION**  **STEP 1** | Lead pupils to identify a cube and objects with shape of cube  cube h  A cube  Objects with the shape of a cube are   1. A gift box   gift   1. Maggi cube   maggi cube   1. Ice   ice   1. Dice   dice   1. Sugar cube   sugar 1  etc | Learn attentively | For proper understanding |
| **STEP 2** | Teach pupils how to draw a cube  cube | Learn carefully | For better understanding |
| **STEP 3** | Teach pupils the properties of a cube  cun  A cube have  8 corners  6 surfaces  12 edges | Learn and listen carefully | For further understanding |
| **SUMMARY** | Summarises the lesson by emphasising on the main concept and writes note on the board | Listen and copy their notes | For onward study |
| **EVALUATION** | Asks pupils to   1. Identify a cube and objects with shape of cube 2. Draw a cube 3. State the properties of a cube | Respond to the teachers questions | To test the understanding of the lesson |
| **CONCLUSION** | Summarises, reacts and corrects the pupils | Answer to the teachers questions | To consolidate the lesson |
| **HOME WORK** | New general mathematics for primary schools book 2  Page 41 - 42 | Returns home with task | Extending the lesson home |

**LESSON PLAN AND NOTE 3 FOR WEEK 9 ENDING FRIDAY, 21ST JUNE, 2024**

**TERM:** THIRD TERM

**WEEK:** WEEK 8 AND 9

**SUBJECT:** MATHEMATICS

**TOPIC:** 3 DIMENSIONAL SHAPES

**SUB-TOPIC:** PROPERTIES OF A CUBOID

**DATE:** FRIDAY, 21ST JUNE, 2024

**TIME:** 09:20 – 09:55AM

**DURATION:** 40 MINUTES

**PERIOD:** 3RD

**CLASS:** GRADE 1

**NUMBER IN CLASS:** FIVE

**AVERAGE AGE:** FIVE

**SEX:** MIXED

**LEARNING OBJECTIVES:** By the end of the lesson, the pupils should be able to

1. Identify a cuboid and objects with shape of cuboid
2. Draw a cuboid
3. State the properties of a cuboid

**RATIONALE:** for pupils to know the properties of a cuboid.

**PREVIOUS KNOWLEGDE:** pupils learnt about the properties of cube.

**INSTRUCTIONAL MATERIALS:**

1. Real samples cuboid
2. Pictorial charts of cuboid
3. Pictures of objects with the shape of a cuboid

**REFERENCE MATERIALS:**

1. New general mathematics for primary schools Book 2 by J Aderohunmu, A Arigbabu etal 2014
2. Smart Mathematics primary Pupils Book 2 Cambridge University Press Contributors Are D.A Afariogun, F.C Ona
3. Lantern steps to Quantitative reasoning book 2 by Ore Olunloyo

**LESSON DEVELOPMENT**

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| **STAGES/STEPS** | **TEACHER’S ACTIVITIES** | **PUPILS’ ACTIVITIES** | **LEARNING POINTS** |
| **INTRODUCTION** | Review previous knowledge | Respond t the teacher | Arousing the pupils interest |
| **PRESENTATION**  **STEP 1** | cuboidLead pupils to identify a cuboid and objects with shape of cuboid  A cuboid  Objects with the shape of a cube are   1. Match box   match box   1. Lunch box   lunch box   1. Tissue box   tissue bos   1. Shoe box   shoe   1. Textbooks   images (3)  etc | Learn attentively | For proper understanding |
| **STEP 2** | Teach pupils how to draw a cuboid  cubod | Learn carefully | For better understanding |
| **STEP 3** | Teach pupils the properties of a cube  cun  A cuboid have  8 corners  6 surfaces  12 edges | Learn and listen carefully | For further understanding |
| **SUMMARY** | Summarises the lesson by emphasising on the main concept and writes note on the board | Listen and copy their notes | For onward study |
| **EVALUATION** | Asks pupils to   1. Identify a cuboid and objects with shape of cuboid 2. Draw a cuboid 3. State the properties of a cuboid | Respond to the teachers questions | To test the understanding of the lesson |
| **CONCLUSION** | Summarises, reacts and corrects the pupils | Answer to the teachers questions | To consolidate the lesson |
| **HOME WORK** | New general mathematics for primary schools book 2  Page 41 - 42 | Returns home with task | Extending the lesson home |



Approved as a working document.

Dep. Head Instructor (Academics)

14TH JUNE, 2024